



4/Drawings
P. Walker
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U.S. PATENT & TRADEMARK OFFICE
TECHNOLOGY CENTER 2800

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re:

U.S. Application of:

Tsukasa YAGI, Masaaki NAKAI, Eiji

YAMAKAWA, Kazuaki OKUMURA, Hiroshi

NITTAYA, and Katsuhiko ASAI

LIQUID CRYSTAL DISPLAY APPARATUS

09/891,997

For:

U.S. Serial No.:

Filed:

Group Art Unit:

Examiner:

June 26, 2001

To be assigned

To be assigned

BOX NON-FEE AMENDMENT

Assistant Director
for Patents
Washington, D.C. 20231

Dear Sir:

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Box Non-Fee Amendment, Assistant Director for Patents, Washington, D.C. 20231, on

August 13, 2001

Date of Deposit

James W. Williams

Name of Applicant, Assignee, or Registered Representative

Signature

August 13, 2001

Date of Signature

REQUEST FOR APPROVAL OF PROPOSED DRAWING CHANGES

Prints of Figs. 3a, 3b, 8a, 8b, 9a-9c, 14a-14c, 15a-15c, 16a-16c, 17a-17d, 18a, 18b, 20a-20c, 22a, 22b, 24a, 24b, 28a-28c, 29a-29c, 32a-32c and 34a-34c, are submitted herewith, which include the changes desired by Applicants marked in red.

Figs. 3a and 3b - the legend "FIG. 3" has been deleted.

Figs. 8a-8b - the legend "FIG. 8" has been deleted.

Figs. 9a-9c - the legend "FIG. 9" has been deleted.

Figs. 14a-14c - the legend "FIG. 14" has been deleted.

Figs. 15a-15c - the legend "FIG. 15" has been deleted.

Figs. 16a-16c - the legend "FIG. 16" has been deleted.

Figs. 17a-17d - the legend "FIG. 17" has been deleted.

Figs. 18a and 18b - the legend "FIG. 18" has been deleted.

Figs. 20a-20c - the legend "FIG. 20" has been deleted.

Figs. 22a and 22b - the legend "FIG. 22" has been deleted.

Figs. 24a and 24b - the legend "FIG. 24" has been deleted.

Figs. 28a-28c - the legend "FIG. 28" has been deleted.

Figs. 29a-29c - the legend "FIG. 29" has been deleted.

Figs. 32a-32c - the legend "FIG. 32" has been deleted.

Figs. 34a-34c - the legend "FIG. 34" has been deleted.

It is respectfully requested that the Examiner approve the proposed drawing changes.

Respectfully submitted,

By: James W. Williams
James W. Williams
Registration No. 20,047
Attorney for Applicants

JWW/bmw

SIDLEY AUSTIN BROWN & WOOD

717 N. Harwood, Suite 3400

Dallas, Texas 75201

Direct: (214) 981-3328

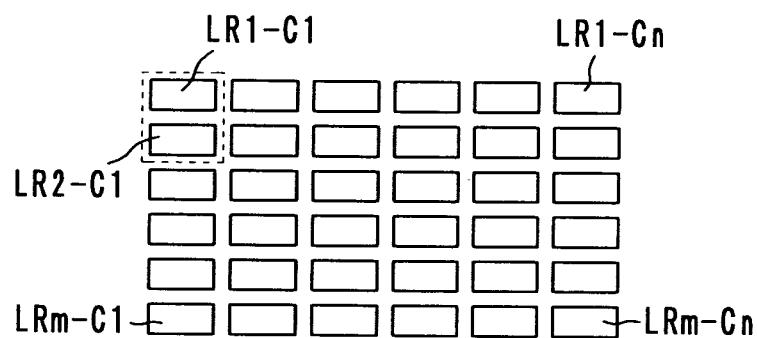
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Facsimile: (214) 981-3400

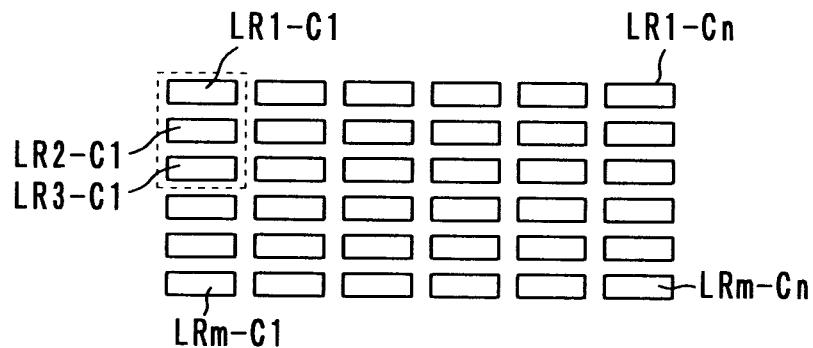
August 13, 2001

~~F / G. 3 a~~

F / G. 3 a

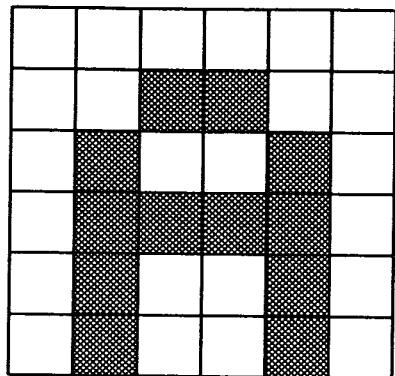


F / G. 3 b

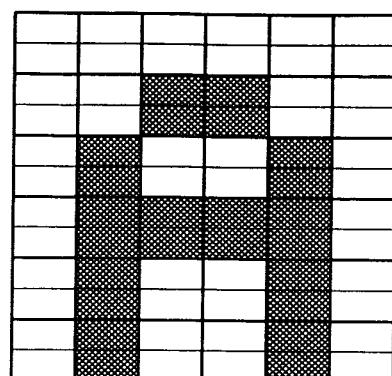


F I G. 8 a

F I G. 8 a

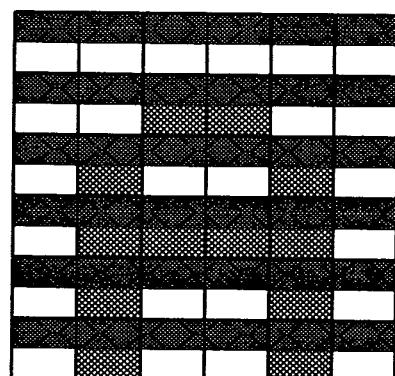


F I G. 8 b

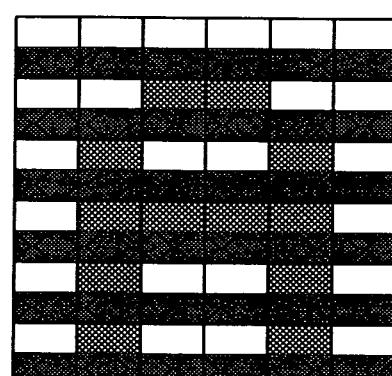


F I G. 9 a

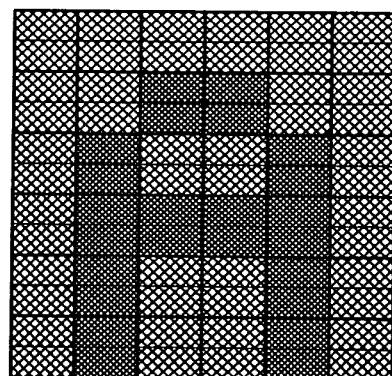
F I G. 9 a



F I G. 9 b



F I G. 9 c



~~FIG. 14~~

FIG. 14 a

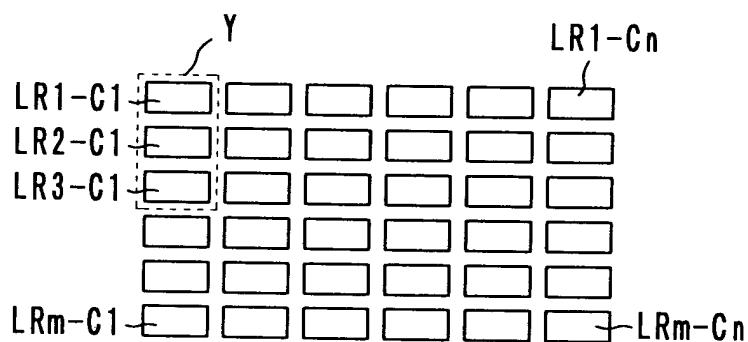


FIG. 14 b

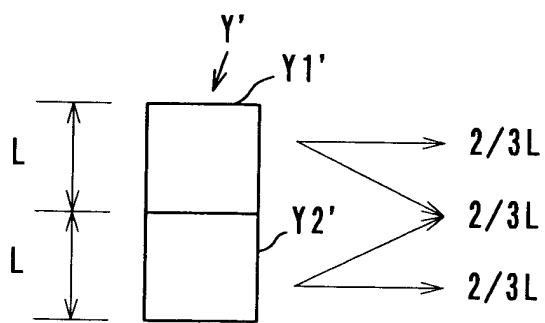
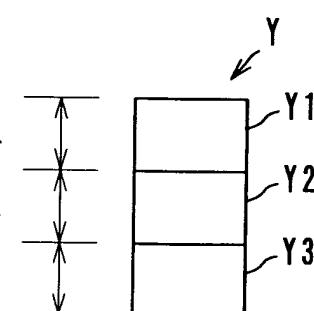
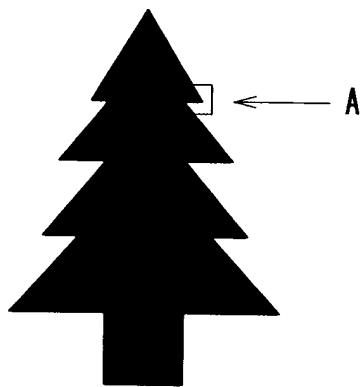


FIG. 14 c

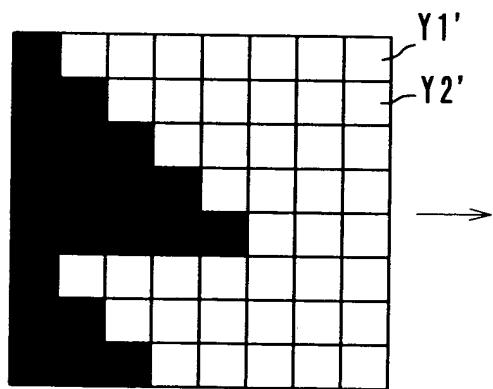


~~F / G. 15~~

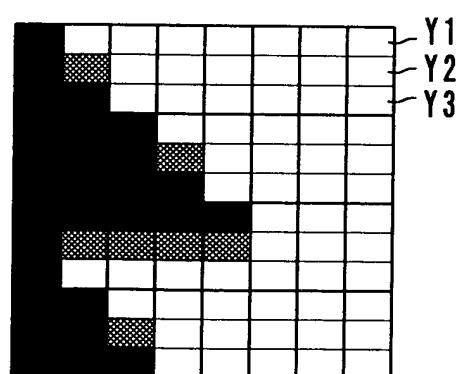
F / G. 15 a



F / G. 15 b



F / G. 15 c



~~FIG. 16a~~

FIG. 16a

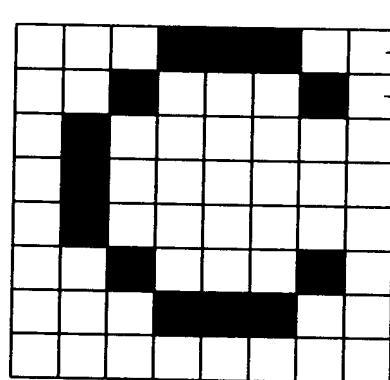


FIG. 16b

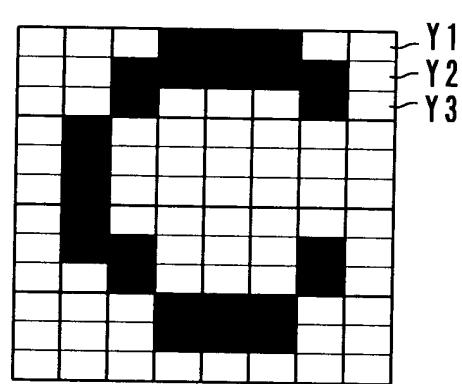
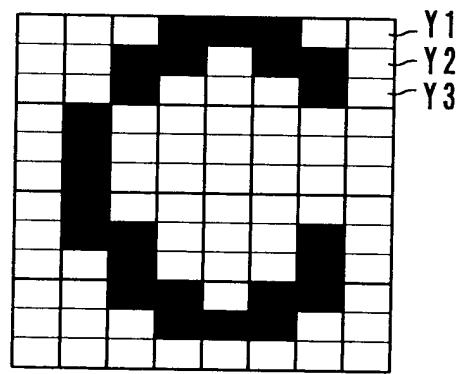


FIG. 16c



~~FIG. 17a~~

FIG. 17a

DATA INPUT FOR UPPER SCANNING LINE

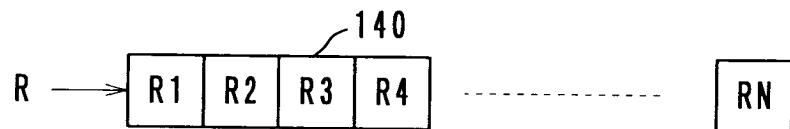


FIG. 17b

DATA INPUT FOR MIDDLE SCANNING LINE

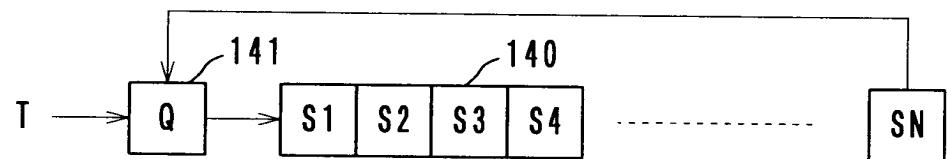


FIG. 17c

DATA INPUT FOR LOWER SCANNING LINE

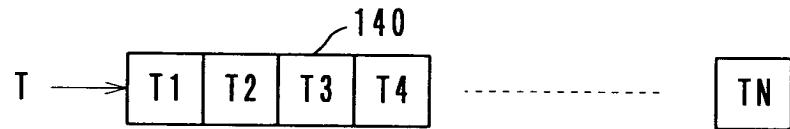
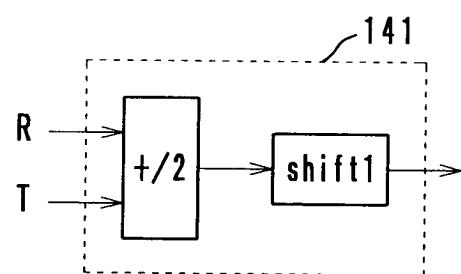


FIG. 17d



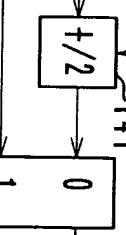
~~F / G. 180~~

F / G. 180

DIN2

132

DIN



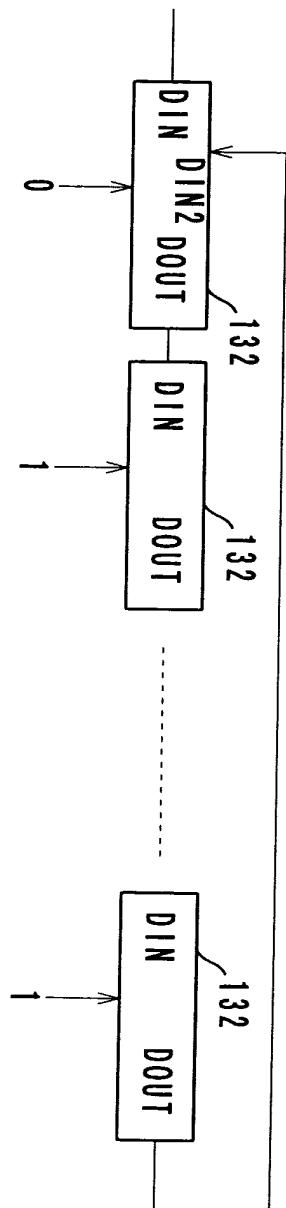
140

SN

DOUT

SEL

F / G. 180



~~FIG. 20a~~

FIG. 20a

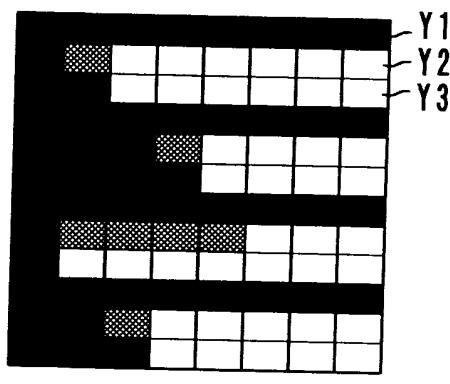


FIG. 20b

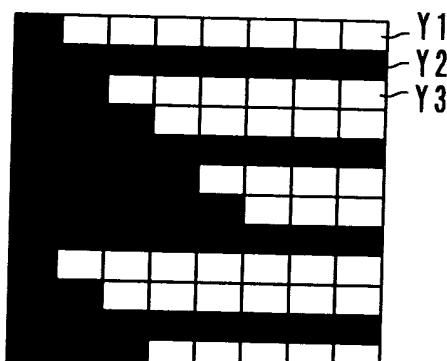
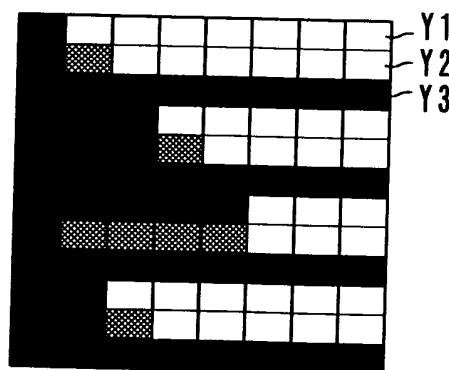


FIG. 20c



~~FIG. 22e~~

FIG. 22a

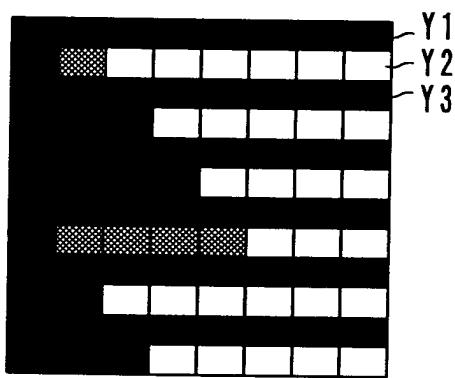
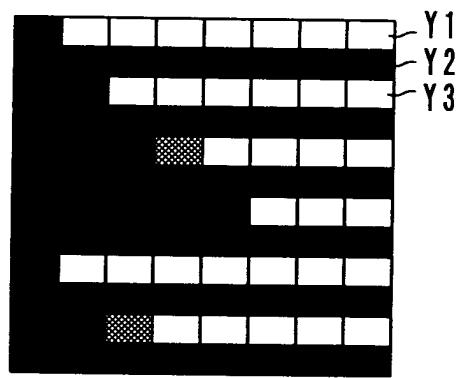


FIG. 22b



~~FIG. 24c~~

FIG. 24a

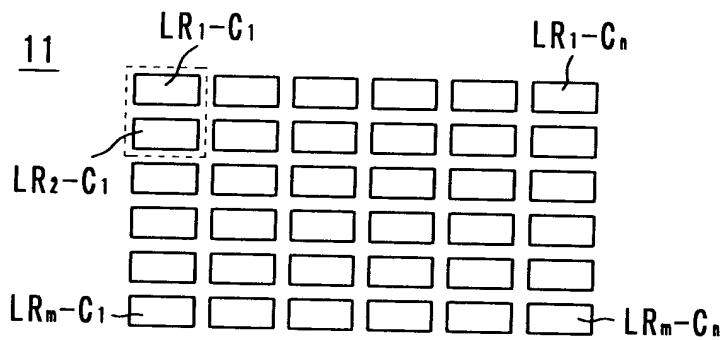


FIG. 24b

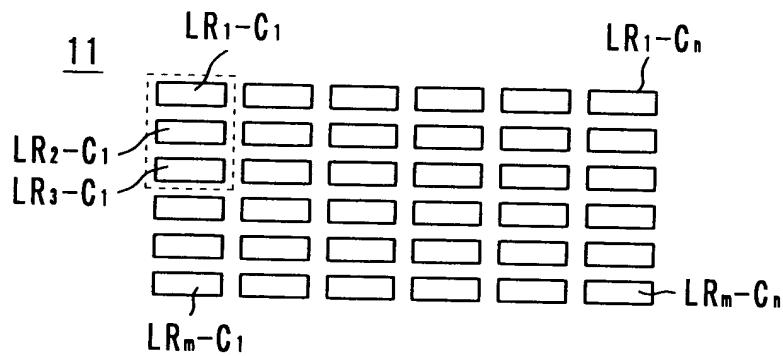


FIG. 28

FIG. 28 a

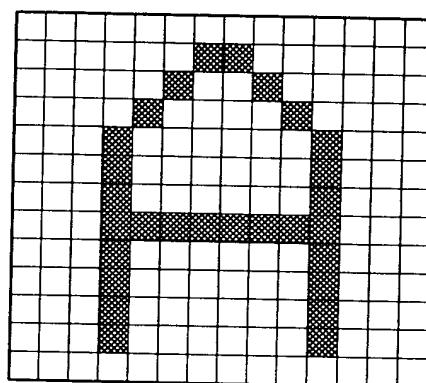


FIG. 28 b

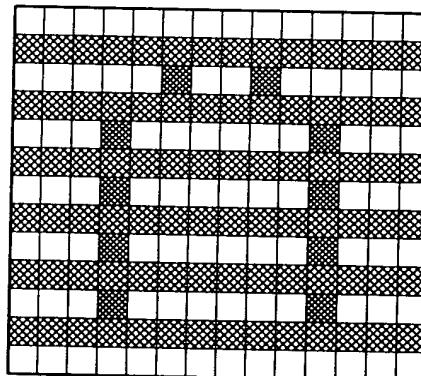
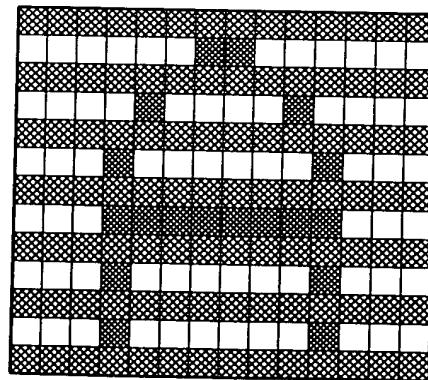


FIG. 28 c



~~FIG. 29~~

FIG. 29 a

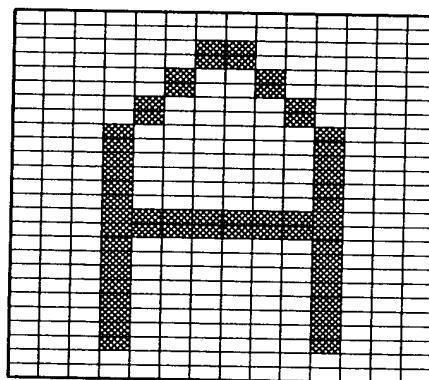


FIG. 29 b

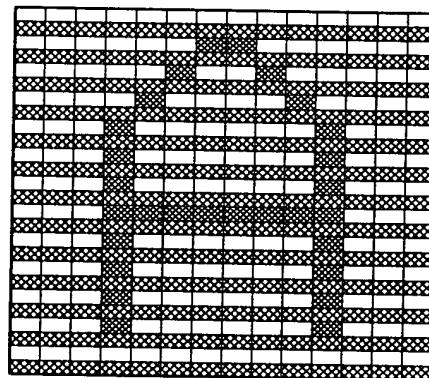
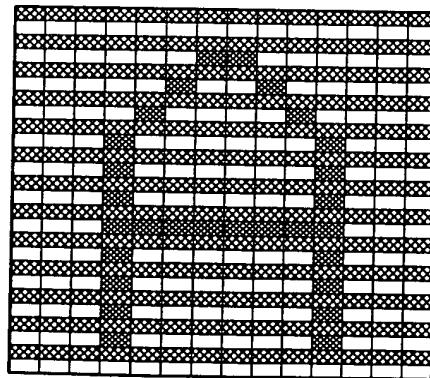
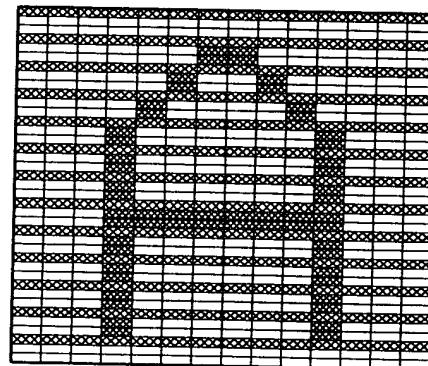


FIG. 29 c

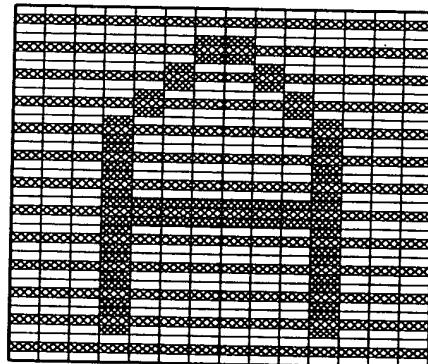


F I G . 3 2 e

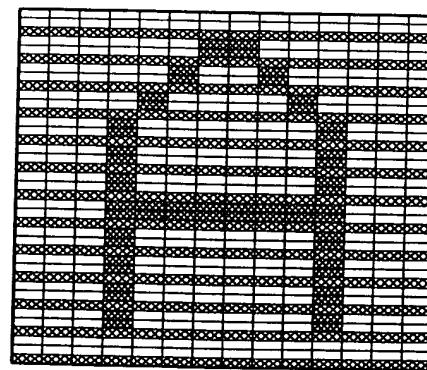
F I G . 3 2 a



F I G . 3 2 b



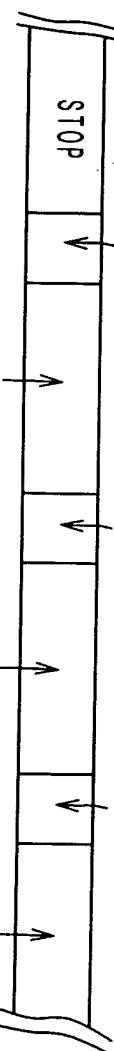
F I G . 3 2 c



F / G. 34 a

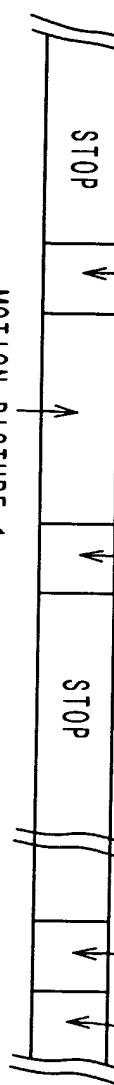
F / G. 34 a

STILL PICTURE 1 STILL PICTURE 2 STILL PICTURE 3



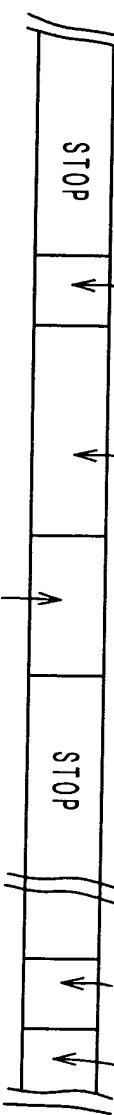
MOTION PICTURE 1 MOTION PICTURE 2 MOTION PICTURE 3

F / G. 34 b STILL PICTURE 1 STILL PICTURE 1 STILL PICTURE 2 MOTION PICTURE 2



MOTION PICTURE 1

F / G. 34 c STILL PICTURE 1 MOTION PICTURE 1 STILL PICTURE 2 MOTION PICTURE 2



STILL PICTURE 1 + STILL PICTURE a